**Unit 5 Map (Photosynthesis)**

Ms. Ottolini, AP Biology

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| **Topic** | **Learning Target** | **Where did I learn this?**  (What resources should I use to study?) | **How well do I know this?**  (scale of 1 to 3, with 3 indicating a high level of understanding) |
| Step 1 of Photosynthesis: The Light Reactions | 1. I can explain how light energy is captured in the choloroplast and sent to the Calvin Cycle. |  |  |
| 2. I can identify the parts of the chloroplast and molecules involved in the Light Reactions. |  |  |
| Step 2 of Photosynthesis: The Calvin Cycle | 3. I can explain how energy from the Light Reactions is used in the Calvin Cycle to make glucose. |  |  |
| 4. I can identify the parts of the chloroplast and molecules involved in the Calvin Cycle. |  |  |
| Exceptions to Normal Photosynthesis | 5. I can discuss the purpose of C4 and CAM photosynthesis. |  |  |
| 6. I can compare and contrast C4 and CAM photosynthesis with normal (C3) photosynthesis. |  |  |
| Comparing Photosynthesis with Cellular Respiration | 7. I can compare and contrast the overall chemical equations for photosynthesis and cellular respiration and describe how these processes work together as a cycle. |  |  |
| 8. I can identify the types of organisms that use photosynthesis, cellular respiration, or both. |  |  |
| 9. I can compare and contrast the purpose and process of the electron transport chain in chloroplasts and mitochondria. |  |  |